

## Pharmacy Technician CTAG Revised Learning Outcomes Endorsement Survey

### Pharmacy Technician Revised Learning Outcomes

#### **Survey Instructions and Deadline:**

**Please complete this survey electronically, rather than on paper.**

**This survey will collect responses from all Ohio Public Institutions of higher education for the Pharmacy Technician Career-Technical Assurance Guide (CTAG). Sacha Todros, Columbus State Community College serves as our lead faculty expert for the revision of this CTAG.**

**If approved, the CTAG will enable students, who successfully complete an approved Pharmacy Technician program at a public secondary institution or Ohio Technical Center, to obtain a guarantee that credit will be awarded when entering Ohio's Public Colleges and Universities that have an applicable degree program.**

**A faculty working group has identified the learning outcomes for the proposed CTAG. The working group is seeking endorsement for the learning outcomes from all institutions that offer comparable programs. For institutions that do not offer a Pharmacy Technician, or other applicable program, you will be redirected to the last page early in the survey.**

**We ask that ONE REPRESENTATIVE from each institution complete this survey as soon as possible, but no later than Friday, February 12, 2021. Please forward this survey to the appropriate person that will answer these questions on behalf of your institution.**

**If you have questions regarding this survey, please contact:**

**Nikki Wearly**

**Senior Associate Director, SCTAI**

**Ohio Department of Higher Education**

**[nwearly@highered.ohio.gov](mailto:nwearly@highered.ohio.gov)**

**6147282662**

**\* 1. Please provide Information about the person completing this survey on behalf of your institution.**

Name

Institution

Department

Title

E-mail

Phone

**\* 2. Please indicate the type of institution that you represent.**

- ☐ University
- ☐ Regional Campus
- ☐ Community College

**\* 3. Does your institution offer a Pharmacy Technician program or a general health related degree program requiring technical credit?**

**(Example: A.A.S. in Health Sciences)**

- ☐ Yes
- ☐ No



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### Pharmacy Technician

#### **4. DESCRIPTION:**

This CTAG facilitates the transfer of credit for students who have completed a Pharmacy Technician program and wish to continue into a Pharmacy Technician or general allied health degree program

**Based on the brief description above, does your institution currently offer a similar program?**

- ☐ Yes
- ☐ No

## Pharmacy Technician CTAG Revised Learning Outcomes Endorsement Survey

### Pharmacy Technician

Below is information about the proposed CTAN for "Pharmacy Technician" including a description, proposed hours, and learning outcomes.

**Pharmacy Technician Description:** This CTAN facilitates the transfer of credit for students who have completed an approved Pharmacy Technician program and wish to transition from an Ohio public secondary career-technical program or an Ohio Technical Center into an associate degree in the health care field at an Ohio public college or university.

**Conditions for Credit:** Students must complete a program approved by the State of Ohio Board of Pharmacy and pass a national certifying exam through the exam for the certification of pharmacy technicians (EXCPT) or (PTCE) and provide documentation to the receiving institution.

**PROPOSED SEMESTER HOURS:** Minimum of 10 semester hours of the technical credits.

**Learning Outcomes:** A PDF of the proposed revised learning outcomes is attached in a PDF to this survey.

5. Do you endorse the revised learning outcomes?

☐ Yes

☐ No

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### Pharmacy Technician

For the proposed CTAG "Pharmacy Technician", please indicate next to each learning outcome whether you believe that it should be included and whether it is an essential learning outcome. The proposed learning outcomes are based off of standards from the Ohio Pharmacy Board and the American Society of Health-System Pharmacists.

\* 6. The learning outcomes are listed individually below. Please review for content and evaluate whether each learning outcome should be considered essential for this course.

	Yes, and should be essential	Yes, but not essential	Not a necessary learning outcome for this course
<p>1. Personal/Interpersonal Knowledge and Skills</p> <ul style="list-style-type: none"> <li>· Demonstrate ethical conduct.</li> <li>· Present a professional image in pharmacy practice in both image and behavior.</li> <li>· Demonstrate and recognize the use of effective written, oral and nonverbal communications with clients, colleagues, healthcare providers and public in pharmacy practice.</li> <li>· Demonstrate problem solving skills.</li> <li>· Apply self-management and interpersonal skills.</li> <li>· Demonstrate an understanding of cultural diversity and the importance of cultural competence.</li> </ul>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<p>2. Foundational Knowledge and Skills</p> <ul style="list-style-type: none"> <li>· Perform mathematical calculations essential to the role of a pharmacy technician, including dose conversions, quantity/days' supply, metric conversions, percents and solutions, calculating dose based on weight, alligations,</li> </ul>			

and roman numeral conversions.

**Yes, and should be essential**

**Yes, but not essential**

**Not a necessary learning outcome for this course**

- Demonstrate a basic knowledge of anatomy, physiology and pharmacology, and medical terminology as it pertains to pharmacy practice.

- Know common brand name and generic name drugs and drug therapy classes.

- Describe the various types of dosage forms and routes of drug administration.

- Describe the differences between over-the-counter (OTC), behind-the-counter (BTC) and prescription drugs (Rx) – including controlled vs. non-controlled prescription drugs.

- Explain the basic mechanism of action, common indications, important abbreviations, and side effects of common brand name and generic name drugs.

- Explain generic substitution.

- Explain the similarities and differences between the various pharmacy practice settings.

- Describe the major types of drug distribution within healthcare facilities, including advantages and disadvantages of unit dose distribution.

- Describe wellness promotion and disease

prevention concepts.

☐ Yes, and should be essential

☐ Yes, but not essential

☐ Not a necessary learning outcome for this course

· Understand applicable state and federal laws and demonstrate an ability to maintain patient confidentiality.

· Understand the laws and regulations for the handling and distribution of controlled substances.

· Explain the general functions of the pharmacist and the roles, duties, and limitations of technicians.

· Explain the role of the pharmacy technician in the patient care process.

· Demonstrate knowledge of the requirements for state registration and national certification, along with the required continuing education for continued registration.

· Explain the importance of maintaining competency through continuing education and continuing professional development.

· Know the responsibilities and scope of the various registration options for technicians in Ohio.

· Describe the use of current technology in pharmacy practice to ensure the safety and accuracy of medication dispensing.

· Describe the role

and best practices of leading quality organizations.

**Yes, and should be essential**

**Yes, but not essential**

**Not a necessary learning outcome for this course**

- Apply self-management and interpersonal skills.
- Apply patient- and medication-safety practices in all aspects of the pharmacy technician's roles.
- Obtain CPR, AED and First-Aid certification.

### 3. Processing and Handling of Medications and Medication Orders

- Collect, organize, and record patient demographic information.
- Receive and screen prescriptions/medication orders for completeness, accuracy, and authenticity.
- Demonstrate proficiency in assisting the pharmacist in preparing, storing, filling, and distributing medication products.
- Interpret medication orders and prescriptions, including the explanation of the factors that cause medication errors regarding pharmacy practice.
- Process prescriptions accurately and efficiently.
- Apply proper

customer service procedures related to professional communication, appearance, and knowledge of allowed duties when working under a licensed pharmacist in a variety of settings.	Yes, and should be essential	Yes, but not essential	Not a necessary learning outcome for this course
<ul style="list-style-type: none"> <li>· Explain procedures used in pharmacy practice to communicate a product recall or shortage or a medication error.</li> </ul>			
<ul style="list-style-type: none"> <li>· Explain accepted procedures used to identify and dispose of expired medications.</li> </ul>			
<ul style="list-style-type: none"> <li>· Explain accepted procedures in delivery and documentation of immunizations.</li> </ul>			
<ul style="list-style-type: none"> <li>· Demonstrate familiarity with third party insurance and perform necessary functions for reimbursement.</li> </ul>			
<ul style="list-style-type: none"> <li>· Understand labeling and packaging requirements, auxiliary labels, and labeling of generic drugs.</li> </ul>			
<ul style="list-style-type: none"> <li>· Understand prescription transfer requirements.</li> </ul>			
<ul style="list-style-type: none"> <li>· Assist the pharmacist in identifying patients that require counseling.</li> </ul>			
<ul style="list-style-type: none"> <li>· Assist pharmacist in medication reconciliation.</li> </ul>			
<ul style="list-style-type: none"> <li>· Identify and report fraudulent prescriptions.</li> </ul>			
<ul style="list-style-type: none"> <li>· Prepare, store, and deliver medications</li> </ul>			



requiring special handling.	Yes, and should be essential	Yes, but not essential	Not a necessary learning outcome for this course
<ul style="list-style-type: none"> <li>· Prepare patient specific and non-patient-specific medications for distribution.</li> <li>· Prepare medications requiring compounding of non-sterile products in accordance with USP 795.</li> <li>· Prepare medications requiring compounding of sterile products in accordance with USP 797.</li> <li>· Maintain pharmacy facilities and equipment.</li> <li>· Understand and adhere to infection control procedures.</li> <li>· Identify, handle, dispense, and dispose of hazardous medications.</li> <li>· Describe Food and Drug Administration product tracking, tracing and handling requirements.</li> <li>· Apply quality assurance practices to pharmaceuticals, durable and non-durable medical equipment, devices, and supplies.</li> <li>· Maintain and stock inventory.</li> <li>· Apply accepted procedures in inventory control of medications, equipment, and devices.</li> <li>· Purchase pharmaceuticals and supplies.</li> </ul>			

<ul style="list-style-type: none"> <li>· Use current technology to ensure the safety and accuracy of medication dispensing.</li> </ul>	Yes, and should be essential	Yes, but not essential	Not a necessary learning outcome for this course
<ul style="list-style-type: none"> <li>· Collect payment for medications, pharmacy services, and devices.</li> </ul>			
<ul style="list-style-type: none"> <li>· Adhere to all federal and state regulations including all OSHA standards, standard precautions, aseptic techniques, as well as HIPAA regulations.</li> </ul>			

**7. Are there changes or comments you would like to make regarding the learning outcomes for the Pharmacy Technician CTAG?**



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**8. Proposed Course Credit: Minimum of 10 semester hours of technical credits.**

**Do you agree that a minimum of 10 semester hours of technical credits is the appropriate amount of credit for these learning outcomes?**

- ☐ Yes
- ☐ No

Comment

**9. To ensure that adult and secondary students maintain the skills and knowledge associated with the learning outcomes in this CTAN, do you believe that the student must matriculate to an Ohio Public College or University within three years of completing a Pharmacy Technician program?**

☐ Yes

☐ No

Comment

**10. After reviewing the CTAG description and learning outcomes, does your institution offer a program that will accept technical credit from a Pharmacy Technician program?**

☐ Yes

☐ No

If yes, please provide the name of the program(s) (ex: A.A.S in Health Sciences).

**11. Do you have any additional comments you would like to share with the faculty panel?**

☐ Yes

☐ No

If yes, please state your additional comments here.



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Thank you

Thank you for completing this survey.

